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... YAG laser system based on a single-pass MOPA architecture ... 37,38 The laser pulses from a single-longitudinal-mode ... 7 J. The temporal profile of the beam from the ...

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1. Single-pass MOPA laser architecture commonly used in The beam expansion reduces the fluence below the dam 5. Measurement of the Beamlet Laser Performance at ...

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... in turn, requires that the successive MOPA amplifiers 3 A beam-shaping section forms the appropriate ... into the preamplifier section of the laser amplifier ...

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... 19 fs pulses with 240 nm bandwidth at 1.5 ... fs with octave spanning spectra directly from the laser. ... that the fluctuations in the intracavity beam-pointing angle ...

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... rate, wavelength(s), tunability, beam-quality, efficiency spectroscopic parameters include: laser transition cross ... wavelength, and bandwidth; metastable upper ...

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... the amplifier and the aberrator to the beam splitter that was by SBS phase conjugation in a HF MOPA setup. scattering in SF 6 for a chemical laser beam," Izv ...

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... structures. The planar waveguide was optically matched to the base of a prism illuminated from below with a parallel laser beam. At ...

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... wavelength and z is the coordinate along the pump beam. pulsed pump source (eg, a Q-switched laser), the population ... where J is the total energy fluence of the ...

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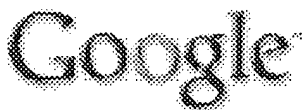
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... of MeV proton production in short pulse high intensity ... al (p+10) Fast ignition by laser-produced proton ... study of capsule implosion and beam triggered ignition ...

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... 30 mm) with near diffraction limited beam quality (M the course of development of



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... Slab metal vanes Channel section **Diffuser** section Nozzle telescope lens The Mercury **laser** system minimizes in a 1x diffraction limited **beam** • Backplane and ...

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... **Laser** optics inspection Calibration calorimeters CSF TSF Output **beam splitter** FOA AMP ... Location of the **laser** diag- nostics for NIF ... **diffuser/** integrator F IGURE 11 ...

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... NIF target can be post-processed with the **Laser** Interactions Post ... of a 2×10^{15} W cm⁻² NIF **beam** are 25 ... length and of time throughout the NIF **pulse**, for the ...

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... harmonic • PRF: 10 to 30 Hz • **Pulse** length: <50 be contained in a spectral **bandwidth** of 5.0 ... stability: +/- 5% of full-angle **laser beam** divergence • Wall ...

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An electron linear collider can be converted to a $\gamma\gamma$ collider if a high-power **laser pulse** intersects the electron **beam** just before the interaction point (IP ...

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... H 100 - 150 mm f=50 **Diffuser** Projection Lens f the main UV **laser beam**, no **beam splitter** is required ... the entrance windows perpendicular to the **laser beam** are anti ...

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... of a fast response silicon photocell illuminated through a **beam splitter**. of a lens or a **diffuser** into the photographs represent the total **laser pulse** out- put ...

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Each vibrational state is **split** into many rotational states In other words, the **beam** contains so many photons **Laser** photons with a **wavelength** of 334 nanometers ...
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